

**CONTRACT CHANGE ORDER MEMORANDUM**

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TO: Tony Anziano, Program Manager /			FILE: <b>E.A.</b> 04 - 0120F4	
FROM: Kannu Balan, Senior TE			<b>CO-RTE-PM</b> SF-80-13.2/13.9	
			<b>FED. NO.</b>	
CCO#: <b>55</b>	SUPPLEMENT#: <b>0</b>	Category Code: <b>CBSA</b>	CONTINGENCY BALANCE (incl. this change) <b>\$146,455,582.11</b>	
COST: <b>\$856,367.00</b> INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>			HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: <b>\$0.00</b>			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
<b>CCO DESCRIPTION:</b> Service Platforms Electrical Changes			<b>PROJECT DESCRIPTION:</b> CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE	
Original Contract Time: <b>2490</b> Day(s)	Time Adj. This Change: <b>0</b> Day(s)	Previously Approved CCO Time Adjustments: <b>501</b> Day(s)	Percentage Time Adjusted: (including this change) <b>20</b> %	Total # of Unreconciled Deferred Time CCO(s): (including this change) <b>3</b>

**THIS CHANGE ORDER PROVIDES FOR:**

Modifying service platforms including electrical components, conduit routing and types, wireways, pipe sleeves, bolting connections, grating, galvanizing and painting, handrail post base plates, electrical panel supports, and guardrails and pull box supports.

Revising Special Provisions Section 10-3.17 "ELECTRICAL EQUIPMENT."

The conduit routing from inside the crossbeam to the service platforms is not constructible due to horizontal offsets and vertical clearances. There are conflicts between the platform framing and the conduit routing from the cable trays to pipe sleeves. Service platform electrical items are modified to accommodate redesigned conduit routing. Panel racks are revised to avoid interference with the stairway from the top of crossbeam to the platform. The crossbeam slope at PP 14 is not 2% as per plan sheet standard detail therefore the support detail needs to be modified to account for a different slope. Additional pipe sleeves are needed for the lighting circuit inside the crossbeam and the ground cable. The handrailing posts are moved to eliminate conflicts with the gusset plates on the service platforms. By allowing bolted connections instead of field welding, the platforms and racks can be partially or completely assembled in the shop in order to avoid field welding access challenges. The Contractor has been unable to find the grating designated in the plan sheets, therefore the Department has approved an equivalent grating.

This change order resolves the costs associated with Contractor Request for Information (RFI) numbers 317R0, 317R1, 317R2, 317R3, 451R0, 451R1, 583, 729, 834R0, 834R1, 1136, 1225, 1554, 1670, 1901R0, 1901R1, and 2036 with respect to changes listed above.

The total cost of this change order is \$832,437.00 lump sum and \$23,930.00 increase in contract items for a total of \$856,367.00 for this change, which can be financed from the contingency fund. A detailed cost analysis is on file.


No time adjustment is warranted, as this change order does not affect the controlling operation.

This change order has concurrence from Michael Forner (Principal TE), Ken Terpstra (Project Manager), Rick Morrow (Sup. BE), Robert Kobal (HQ Oversight), Wenyi Long (Bridge Design), Lina Ellis (Maintenance), and Jing Chen (District Design) March 9, 2009.

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<b>CONCURRED BY:</b>			<b>ESTIMATE OF COST</b>		
Construction Engineer:	PCE, Mike Forner, Prin TE	Date	1/7/08	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Rick Morrow, Sup BE	Date	1/4/08	ITEMS	\$23,930.00
Project Engineer:	CT Oversight, Wenyi Long, P.E.	Date	3/9/09	FORCE ACCOUNT	\$0.00
Project Manager:	Proj Manager, Ken Terpstra	Date	1/15/09	AGREED PRICE	\$0.00
FHWA Rep.:		Date		ADJUSTMENT	\$832,437.00
Environmental:		Date		<b>TOTAL</b>	<b>\$856,367.00</b>
Other (specify):	Struct. Maint, Lina Ellis	Date	4/8/09	<b>FEDERAL PARTICIPATION</b>	
Other (specify):	HQ, Rob Kobal	Date	1/8/08	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	HQ Bob Molera	Date	4/16/09	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:		Date		<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature:		Date		FEDERAL FUNDING SOURCE	PERCENT
			<div>10-7-11</div>		